



# California Water and Environmental Modeling Forum

Promoting Excellence and Consensus in Water and Environmental Modeling

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## **Technical Workshop on Climate Change and Its Impacts on Water Supply and Water Quality in California**

Friday, November 21, 2003

9:30 a.m. to 4:00 p.m.

Heald College Conference Center

5130 Commercial Circle, Concord, CA 94520

Free for CWEMF members and \$25 for non-members/\$5 for students

### **I. Climate Change and Water Resources Planning (9:30-11:45 a.m.)**

#### **Climate Warming and California's Water Future**

Jay Lund (U.C. Davis); 60 minutes

#### **Approach and Work Plan of Joint DWR-USBR Work Group on Climate Change**

Jamie Anderson (California Department of Water Resources); 30 minutes

#### **Approach to Address Climate Change in the California Water Plan (Bulletin 160)**

Sanjaya Seneviratne (California Department of Water Resources); 30 minutes

#### **Development of MWDSC Board Policy on Climate Change**

Warren Teitz (Metropolitan Water District of Southern California); 15 minutes

### **Lunch (11:45 a.m.-1:00 p.m.)**

### **II. Advances in Hydrologic Estimation (1:00-2:30 p.m.)**

#### **Towards the Elusive PDF of 21st Century Hydroclimate Changes in California**

Michael Dettinger (U.S. Geological Survey/UCSD Scripps Institution of Oceanography); 30 minutes

#### **Challenges and Advancements in Regional Climate and Hydrological Modeling for Water Resources Planning and Management**

Xu Liang (U.C. Berkeley); 30 minutes

#### **Climate Warming Hydrologies for System-Wide Modeling**

Tingju Zhu (U.C. Davis); 30 minutes

### **III. Potential Impacts on Water Supply and Water Quality (2:30-4:00 p.m.)**

#### **Climate Change Impacts Uncertainty for Water Resources in the San Joaquin River Basin**

Nigel Quinn (Lawrence Berkeley National Laboratory/U.S. Bureau of Reclamation); 30 minutes

#### **Sensitivity of the Mokelumne River Supply to Climate Change**

Kevin Richards (East Bay Municipal Utility District); 30 minutes

#### **Framework for Studying Diffuse Selenium Loading Forecast for the San Joaquin River Watershed and Implications to Agricultural Land Management and Land Use Decision Making**

May Zhao (U.C. Berkeley); 30 minutes